AC 4546

Pembrokeshire County Council.

# Annual Report

OF THE

County Medical Officer of Health for Pembrokeshire.

1923.

HAVERFORDWEST—
"Pembrokeshire Herald" Printing Works.

*To the Chairman and Members of the Public Health and Housing Committee of the Pembrokeshire County Council.*

GENTLEMEN,—

I have the honour to submit to you my third Annual Report on the Health and Sanitary Administration of the County.

The Birth Rate for the Administrative County was 19.3 per 1,000 persons living. The figure for 1922 was 20.1. There is, therefore, a decrease of .8. The comparative figure for England and Wales was 19.7.

The Death Rate was 12.3, and showed a decrease of 1.5 on the previous year's figures. The comparative figure for England and Wales was 11.6.

The Infantile Mortality Rate was 68 per 1,000 Births, a decrease of five on the figures for the year 1922. The comparative figure for England and Wales was 69.

Isolation Accommodation.—Good progress has been made in the provision of Isolation Hospital accommodation in the County, and arrangements are nearly complete, whereby the County Council shall be the authority for dealing with such accommodation. Sufferers from infectious diseases will then be offered better accommodation and expert nursing, and it is hoped that speedy isolation of the first cases will prevent the extension of outbreaks which has up to now been the cause of loss of life and damage to health.

In conclusion, I desire to express my thanks to the Committee for their courtesy and support, and to the Staff for their loyal co-operation and assistance.

I have the honour to be,

Your obedient Servant,

**H. MIDDLETON,**

County Medical Officer.

County Health Department,
23, Hill Street,
Haverfordwest.
21st July, 1924.

# Sanitary Authorities & Medical Officers of Health for the year 1923.

## MEDICAL OFFICERS.

### URBAN DISTRICTS.

| | |
|---|---|
| FISHGUARD ..... | T. H. James, M.R.C.S., L.R.C.P. |
| HAVERFORDWEST... | C. A. Brigstocke, M.R.C.S., L.R.C.P. |
| MILFORD HAVEN ... | H. O. Williams, M.B., B.S., M.R.C.S., L.R.C.P., D.P.H. |
| NEYLAND ..... | V. J. Gwynne Jones, L.R.C.P., L.R.C.S. (Ed.). |
| PEMBROKE ..... | T. F. S. Fulton, M.B., Ch.B., D.P.H (resigned February 1923). |
| | E. A. Saunders (junr.), M.R.C.S., L.R.C.P. |
| TENBY..... | E. M. Knowling, B.A., M.B., M.R.C.S. |
| GOODWICK ..... | L. H. Terry, M.R.C.S., L.R.C.P. |

### RURAL DISTRICTS.

| | |
|---|---|
| HAVERFORDWEST... | J. Howard Owen, M.R.C.S., L.R.C.P. |
| LLANFYRNACH..... | S. W. Milner, M.R.C.S., L.R.C.P. |
| NARBERTH..... | E. W. Price, M.R.C.S. L.R.C.P. |
| PEMBROKE ..... | W. R. E. Williams, M.B., C.M. |
| ST. DOGMAELS ..... | D. Havard, L.M.S.S.A. (Lond.). |

## SANITARY INSPECTORS.

### URBAN DISTRICTS.

| | |
|---|---|
| FISHGUARD ..... | Mr. A. C. James. |
| HAVERFORDWEST... | Mr. C. T. Butler. |
| MILFORD HAVEN ... | Mr. J. P. Morgan. |
| NEYLAND ..... | Mr. T. W. Evans. |
| NARBERTH ..... | Mr. W. G. Mathias. |
| PEMBROKE ..... | Mr. Philip Morgan. |
| TENBY..... | Mr. B. Morley. |
| GOODWICK ..... | Mr. J. Reed Edwards. |

### RURAL DISTRICTS.

| | |
|---|---|
| HAVERFORDWEST... (North) | Mr. D. B. Phillips. |
| HAVERFORDWEST... (South). | Mr. E. F. Gibbon. |
| LLANFYRNACH..... | Mr. Samuel Jones. |
| NARBERTH..... | Mr. W. G. Mathias. |
| PEMBROKE ..... | Mr. D. H. Edwards. |
| ST. DOGMAELS ..... | Mr. J. E. G. George. |

# COUNTY OF PEMBROKE.

## PUBLIC HEALTH AND HOUSING COMMITTEE, AND MATERNITY AND CHILD WELFARE COMMITTEE.

Mr. W. N. Grieve (Chairman)
Mr. G. B. Bowen.
Mr. Henry Geo. Davies.
Mr. E. P. Harries.
Mr. V. J. G. Johns.
Mr. B. G. Llewhellin.
Dr. P. A. Lloyd.
Mr. J. L. Llewellin.
Mr. W. Palmer Morgan.
Sir Chas. E. G. Philipps, Bt.
Major Loftus Adams.
Mr. Owen Jenkins.
Gen. Sir Ivor Philipps.
Lady Ivor Philipps.
Mrs. H. Cole.
Mr. J. M. Philipps.
Mr. Llewellyn Rees.
Mr. W. G. James.
Major C. W. M. Price.
Mr. G S. Kelway.
Mr. S. B. Sketch, O.B.E.
Mr. James Thomas.
Mr. J. Thomas.
Sir H. J. P Thomas.
Mr. William Thomas.
Sir W. H. Walters.
Mr. Levi T. Williams.
Mr. H. A. Williams (Vice-Chairman).
Dr. H. O. Williams.
Mrs. S. B. Sketch.
Mrs. N. Seymour Allen.

## CENTRAL NURSING COMMITTEE.

Representatives of the County Nursing Association.

Miss K. Allen.
Mrs. N. Seymour Allen.
Mrs. G. B. Bowen.
Miss F. Chambers.
Mrs. Spence Colby.
Mrs. W. G. James.
Lady Kensington.
Mrs. Kelway.
Mrs. Massey.
Lady Ivor Philipps.
Mrs. A. B. W. Stokes.
Mrs. L. Owen Williams.

Representatives of County Council and Education Committee.

Mr. R. E. Hulton.
Mr. G. B. Bowen.
Mr. T. Bowen.
Mr. W. N. Grieve.
Mr. G. S. Kelway.
Mr. W. Lawrence
Mr. W. H. John.
Mr. V. J. G Johns.
Mr. W. P. Morgan.
Mr. S. B. Sketch (Chairman).
Mr. W. G. Eaton Evans
Mr. D. Dundas Roach.

## COUNTY HEALTH OFFICES STAFF.

County Medical Officer of Health: H. Middleton, M.C., M.B., Ch.B.,, D.P.H.

Assistant County Medical Officer of Health: H. Mortimer Thomas, M.R.C.S., L.R.C.P.

County Superintendent of Nurses and Inspector of Midwives: Miss A. R. Calvin Thomas.

Chief Clerk: B. J. Evans.

Health Visitors (Whole-time): Miss Miriam Jones, and Miss M. Williams.

## AREA AND POPULATION.

AREA.—The Administrative County of Pembroke has an area of 393,003 statute acres, including land and inland water.

The Area is divided as follows:—

| | |
|---|---|
| Urban ..... | 10,286 Acres. |
| Rural ..... | 382,717 Acres. |

There are eight Urban Districts, three of which are Municipal Boroughs, and five Rural Districts.

INDUSTRY.—The chief Industry in the county is Agriculture. In addition there are the following Industries which are confined to the particular areas mentioned:—

Shipbuilding: H.M. Dockyard, Pembroke Dock.
Deep Sea Fishing: Milford Haven.
Slate Quarrying in the North-Eastern portion of the county.
Coal Mining: Hook and Begelly.
Brickmaking: Templeton.

POPULATION.—Hereunder are tabulated figures of the 1921 Census and the estimated population for 1923:

| URBAN DISTRICTS. | Census 1921. | | Estimated Population 1923. |
|---|---|---|---|
| Fishguard ..... | 3,010 | ... | 3,046 |
| Haverfordwest ..... | 5,820 | ... | 5,908 |
| Milford Haven ..... | 7,860 | ... | 8,234 |
| Narberth ..... | 1,143 | ... | 1,128 |
| Neyland ..... | 2,739 | ... | 2,705 |
| Pembroke ..... | 15,580 | ... | 15,500 |
| Tenby ..... | 4,254 | ... | 4,177 |
| Goodwick ..... | —— | ... | 2,452 |
| Totals for Urban Districts ..... | | | 43,150 |

| RURAL DISTRICTS. | Census 1921 | | Estimated Population 1923. |
|---|---|---|---|
| Haverfordwest ..... | 21,310 | ... | 19,745 |
| Llanfyrnach ..... | 2,334 | ... | 2,339 |
| Narberth ..... | 10,930 | ... | 10,920 |
| Pembroke ..... | 8,610 | ... | 8,744 |
| St. Dogmaels ..... | 7,890 | ... | 7,847 |
| Totals for Rural Districts ..... | 51,074 | ... | 49,595 |
| Totals for County..... | 91,580 | ... | 92,745 |

It is therefore estimated that the Population has increased since the Census of 1921 by 1,165.

## COUNTY BIRTH RATE.

The total number of Births registered in the County during 1923 was 1,795, as compared with 1,856 in 1922, showing a decrease of 61 Births.

The following Tables give the Birth Rates per 1,000 Population :—

| URBAN DISTRICTS. | No. of Births 1922. | Birth Rate 1922. | No. of Births 1923. | Birth Rate 1923. |
|---|---|---|---|---|
| Fishguard | 72 | 23.7 | 62 | 20.3 |
| Haverfordwest | 145 | 24.6 | 143 | 24.2 |
| Milford Haven | 223 | 27.6 | 210 | 25.5 |
| Narberth | 19 | 16.6 | 14 | 12.4 |
| Neyland | 58 | 21.2 | 48 | 17.8 |
| Pembroke | 260 | 16.6 | 261 | 16.8 |
| Tenby | 71 | 16.8 | 64 | 15.3 |
| Goodwick | — | — | 34 | 13.8 |
| RURAL DISTRICTS. | | | | |
| Haverfordwest | 469 | 21.9 | 404 | 20.4 |
| Llanfyrnach | 28 | 11.9 | 37 | 15.8 |
| Narberth | 228 | 20.8 | 210 | 19.2 |
| Pembroke | 150 | 17.2 | 163 | 18.6 |
| St. Dogmaels | 133 | 16.8 | 145 | 18.4 |
| URBAN DISTRICTS | 848 | 20.8 | 836 | 19.3 |
| RURAL DISTRICTS | 1008 | 19.6 | 959 | 19.3 |
| ADMIN. COUNTY | 1856 | 20.1 | 1795 | 19.3 |
| ENGLAND AND WALES | — | 20.6 | — | 19.7 |

## ILLEGITIMATE BIRTHS.

There were 30 Illegitimate Births registered in the Urban Districts, and 45 in the Rural Districts, giving a total of 75 in the Administrative County. Comparative figures for 1922 were 26 and 25, a total of 71. The Illegitimate Birth Rates are as hereunder :—

| | No. of Illeg. Births. | Illeg. Birth Rate. |
|---|---|---|
| URBAN DISTRICTS | 30 | .6 |
| RURAL DISTRICTS | 45 | .9 |
| ADMINISTRATIVE COUNTY | 75 | .8 |

## DEATH RATE.

The number of Deaths which occurred in the County during 1923 was 1,145. Correction has been made for Residents and Non-residents. Of these deaths 500 occurred in the Urban Districts, and 645 in the Rural Districts. The following Table shows the distribution of Total Deaths in the various Districts :—

URBAN DISTRICTS.

| | No. of Deaths 1922. | Death Rate 1922. | No. of Deaths 1923. | Death Rate 1923. |
|---|---|---|---|---|
| Fishguard | 38 | 12.5 | 25 | 8.2 |
| Haverfordwest | 82 | 13.9 | 90 | 15.2 |
| Milford Haven | 78 | 9.6 | 82 | 9.9 |
| Narberth | 23 | 20.1 | 13 | 11.5 |
| Neyland | 37 | 13.5 | 28 | 10.3 |
| Pembroke | 198 | 13.1 | 197 | 13.2 |
| Tenby | 78 | 18.4 | 44 | 10.5 |
| Goodwick | — | — | 21 | 8.5 |
| RURAL DISTRICTS. | | | | |
| Haverfordwest | 286 | 13.3 | 235 | 11.3 |
| Llanfyrnach | 42 | 17.8 | 39 | 16.6 |
| Narberth | 175 | 15.9 | 155 | 14.1 |
| Pembroke | 79 | 9.0 | 101 | 11.5 |
| St. Dogmaels | 152 | 19.2 | 115 | 14.6 |
| URBAN AREAS | 534 | 13.3 | 500 | 11.5 |
| RURAL AREAS | 734 | 14.3 | 645 | 13.0 |
| ADMIN. COUNTY | 1268 | 13.8 | 1145 | 12.3 |
| ENGLAND AND WALES | — | 12.9 | — | 11.6 |

## INFANTILE MORTALITY.

The Infantile Mortality Rate refers to the number of children who die before reaching the age of one year per 1,000 Births. During the year there were 61 Deaths in the Urban, and 61 in the Rural Districts under one year of age —122 in all.

URBAN DISTRICTS.

| | No. of deaths 1922. | Rate 1922. | No. of deaths 1923. | Rate 1923. | Illeg. deaths 1923 | Illeg. Births. 1923. |
|---|---|---|---|---|---|---|
| Fishguard | 6 | 83 | 1 | 16 | 0 | 1 |
| Haverfordwest | 9 | 62 | 10 | 69 | 0 | 9 |
| Milford Haven | 23 | 103 | 14 | 66 | 1 | 8 |
| Narberth | 4 | 210 | 2 | 142 | 0 | 0 |
| Neyland | 4 | 68 | 3 | 62 | 0 | 3 |
| Pembroke | 15 | 57 | 21 | 80 | 1 | 6 |
| Tenby | 5 | 70 | 6 | 93 | 2 | 2 |
| Goodwick | — | — | 4 | 117 | 0 | 1 |
| RURAL DISTRICTS. | | | | | | |
| Haverfordwest | 34 | 72 | 30 | 74 | 2 | 17 |
| Llanfyrnach | 2 | 71 | 1 | 27 | 0 | 2 |
| Narberth | 12 | 52 | 10 | 47 | 2 | 12 |
| Pembroke | 11 | 73 | 12 | 73 | 0 | 5 |
| St. Dogmaels | 12 | 90 | 8 | 55 | 0 | 9 |
| Urban Districts | 66 | 77 | 61 | 72 | 4 | 30 |
| Rural Districts | 71 | 70 | 61 | 63 | 4 | 45 |
| Admin. County | 137 | 73 | 122 | 68 | 8 | 75 |
| England & Wales | — | 77 | — | 69 | — | — |

## ZYMOTIC DEATH RATE.

The number of deaths per 1,000 of population from the principal Infectious Diseases is termed the Zymotic Death Rate. Thirty-eight deaths were recorded in 1923, compared with 34 in the year 1922.

Number of Deaths from the Principal Zymotic Diseases.

| | Urban Districts. | Rural Districts. | Admin. County. |
|---|---|---|---|
| Small Pox | 0 | 0 | 0 |
| Measles | 0 | 1 | 1 |
| Scarlet Fever | 0 | 0 | 0 |
| Whooping Cough | 0 | 9 | 9 |
| Diptheria | 8 | 2 | 10 |
| Enteric Fever | 1 | 0 | 1 |
| Diarrhoea and Enteritis (under 2 years) | 11 | 6 | 17 |
| Total | 20 | 18 | 38 |

## DEATH RATE PER 1,000 POPULATION.

| | Small Pox. | Measles. | Scarlatina. | Whooping Cough. | Diphtheria | Enteric. |
|---|---|---|---|---|---|---|
| URBAN DISTRICTS | 0.00 | 0·00 | 0.00 | 0.00 | 0.18 | 0.02 |
| RURAL DISTRICTS | 0.00 | 0.02 | 0.00 | 0.18 | 0.04 | 0.00 |
| ADMIN. COUNTY | 0.00 | 0·01 | 0.00 | 0.09 | 0.10 | 0.01 |

## ANNUAL DEATH RATE PER 1,000 BIRTHS.

| | Diarrhoea and Enteritis (under 2 years). |
|---|---|
| URBAN DISTRICTS | 13.1 |
| RURAL DISTRICTS | 6.2 |
| ADMIN. COUNTY | 9.4 |

## TUBERCULOSIS.

During the year 120 Deaths were notified as directly attributable to Tuberculosis. Pulmonary Tuberculosis (Phthisis, consumption of the lungs) was the cause of 93 deaths, the 27 remaining deaths were due to other forms of Tuberculosis.

## PHTHISIS.

Of the total number of Deaths in the county due to Phthisis, 42 occurred in the Urban and 51 in the Rural Districts.

The following Table shows the Death Rate from Phthisis per 1,000 persons, in the various Districts:—

URBAN DISTRICTS.

| | No. of Deaths 1922. | Rate per 1,000 1922. | No. of Deaths 1923. | Rate per 1,000 1923. |
|---|---|---|---|---|
| Fishguard ... | 6 | 1.98 | 2 | 0.65 |
| Haverfordwest | 4 | 0.67 | 7 | 1.18 |
| Milford Haven | 3 | 0.37 | 10 | 1.21 |
| Narberth | 3 | 2.63 | 2 | 1.77 |
| Neyland | 3 | 1.09 | 1 | 0.36 |
| Pembroke | 21 | 1.39 | 12 | 0.77 |
| Tenby | 7 | 1.65 | 3 | 0.71 |
| Goodwick | ... | ... | 5 | 2.03 |

RURAL DISTRICTS.

| | | | | |
|---|---|---|---|---|
| Haverfordwest | 21 | 0.98 | 20 | 1.01 |
| Llanfyrnach | 0 | 0.00 | 4 | 1.71 |
| Narberth | 10 | 0.91 | 11 | 1.00 |
| Pembroke | 3 | 0.34 | 7 | 0.80 |
| St. Dogmaels | 12 | 1.52 | 9 | 1.14 |

The Rates for the Urban and Rural Areas and Administrative County are as follows:—

| | No. of Deaths 1922. | Rate per 1,000 1922. | No. of Deaths 1923. | Rate per 1,000 1923. |
|---|---|---|---|---|
| URBAN AREAS | 47 | 1.17 | 42 | 0.97 |
| RURAL AREAS | 46 | 0.89 | 51 | 1.02 |
| ADMIN .COUNTY | 93 | 1.01 | 93 | 1.00 |

## OTHER FORMS OF TUBERCULOSIS.

During 1923 there were 27 Deaths (15 in the Urban and 12 in the Rural Districts) from other forms of Tuberculosis, giving the following Rates:—

URBAN DISTRICTS.

| | No. of Deaths 1922. | Rate per 1,000 1922. | No. of Deaths 1923. | Rate per 1,000 1923. |
|---|---|---|---|---|
| Fishguard | 1 | .33 | 1 | .32 |
| Haverfordwest | 0 | .00 | 3 | .50 |
| Milford Haven | 4 | .49 | 3 | .36 |
| Narberth | 0 | .00 | 1 | .80 |
| Neyland | 1 | .36 | 0 | .00 |
| Pembroke | 5 | .33 | 6 | .38 |
| Tenby | 1 | .23 | 0 | .00 |
| Goodwick | ... | ... | 1 | .40 |

RURAL DISTRICTS.

| | | | | |
|---|---|---|---|---|
| Haverfordwest | 9 | .42 | 5 | .25 |
| Llanfyrnach | 1 | .42 | 3 | 1.28 |
| Narberth | 4 | .36 | 3 | .27 |
| Pembroke | 0 | .00 | 1 | .11 |
| St. Dogmaels | 1 | .12 | 0 | .00 |

The Rates for the Urban and Rural Areas and Administrative County are as follows:—

| | No. of Deaths 1922. | Rate per 1,000 1922. | No. of Deaths 1923. | Rate per 1,000 1923. |
|---|---|---|---|---|
| URBAN AREAS | 12 | .29 | 15 | .34 |
| RURAL AREAS | 15 | .29 | 12 | .24 |
| ADMIN. COUNTY | 27 | .29 | 27 | .29 |

## TUBERCULOSIS.

Close co-operation exists between the Tuberculosis Physician of the King Edward VII. Welsh National Memorial Association and the Public Health Department. The Offices of the Memorial Association are in the same building, which, in addition to providing close co-operation, prevents any delay in handing over notifications.

The Tuberculosis Physician attends clinics at regular intervals at Narberth, Pembroke Dock, Milford Haven, Fishguard and Haverfordwest, where patients can easily consult him. He also visits the homes of all Patients who require his advice and are unable to attend the Clinics.

There has been little delay in finding Sanatoria and Hospital accommodation. The chief point of regret in this excellent scheme is the lateness of patients coming into the hands of the Tuberculosis Physician. Patients keep postponing the calling in of their Medical Advisor until the disease has got too firm a hold when little can be done. This delay is often due to a natural desire of the wage-earner to carry on to the last moment.

SEALYHAM HOSPITAL.—This Hospital was opened after conversion in October, 1922. The Hospital is intended primarily for treatment of cases of advanced pulmonary tuberculosis, but also receives cases of lesser severity where the convenience of Patients has to be considered. This Hospital must not be regarded, as has been stated, as a home for hopeless cases.

The main object is proper treatment and segregation of infected Patients who otherwise would remain in their often insanitary dwellings spreading infection to all around them. Sealyham has now been opened long enough to demonstrate quite clearly the value of such an Institution. Many cases have improved greatly, and have been able to go home. Others have been transferred to Sanatoria for further treatment with good prospects of complete arrest of the disease. The Hospital contains 30 beds, 15 for Males and 15 for Females.

ST. BRIDES HOSPITAL....This Hospital was opened in June, 1923, and contains 105 beds. Formerly the residence of Lord Kensington, this Mansion was adapted for treatment of Surgical Tuberculosis in children. Patients are admitted from all parts of South Wales, and treatment is provided for all kinds of surgical tuberculosis. The open-

ing of this large Hospital makes it possible, in conjunction with a similar Institution in North Wales, for the Welsh National Memorial Association to treat every case of surgical tuberculosis occurring in the Principality.

## CANCER.

During the year 1923, 66 Males and 75 Females, 141 in all, died from Cancer, as compared with 117 for the previous year. Sixty-four of these Deaths occurred in the Urban and 77 in the Rural Districts.

| | No. of Deaths 1922. | Rate per 1,000 1922. | No. of Deaths 1923. | Rate per 1,000 1923. |
|---|---|---|---|---|
| URBAN DISTRICTS. | | | | |
| Fishguard | 2 | .66 | 3 | .98 |
| Haverfordwest | 8 | 1.35 | 10 | 1.69 |
| Milford Haven | 8 | .99 | 5 | .60 |
| Narberth | 1 | .87 | 1 | .88 |
| Neyland | 5 | 1.83 | 1 | .36 |
| Pembroke | 22 | 1.46 | 31 | 2.00 |
| Tenby | 9 | 2.13 | 12 | 2.87 |
| Goodwick | ... | ... | 1 | .40 |
| RURAL DISTRICTS. | | | | |
| Haverfordwest | 22 | 1.02 | 28 | 1.41 |
| Llanfyrnach | 3 | 1.27 | 4 | 1.71 |
| Narberth | 12 | 1.09 | 21 | 1.92 |
| Pembroke | 11 | 1.26 | 11 | 1.25 |
| St. Dogmaels | 14 | 1.77 | 13 | 1.65 |
| URBAN DISTRICTS | 55 | 1.37 | 64 | 1.48 |
| RURAL DISTRICTS | 62 | 1.20 | 77 | 1.55 |
| ADMIN. COUNTY | 117 | 1.27 | 141 | 1.52 |

In England and Wales in the year 1921, 46,022 Deaths were attributed to Cancer. This means that out of each 1,000 of population 1.21 died from Cancer. This death rate per 1,000 has increased from 0.32 in 1851-60 to 1.21 in 1921. Part of this increase may be said to be due to ageing of the population inasmuch as more people live to ages at which Cancer becomes frequent than was the case years ago. Another explanation may be that better diagnosis may account for the increase.

There would appear, however, to be no doubt that Cancer is more prevalent than formerly.

The Death Rates per 1,000 for Pembrokeshire for the past four years were:—

| | | |
|---|---|---|
| 1919 | 104 | M. 51<br>F. 53. |
| 1920 | 96 | M. 46.<br>F. 50. |
| 1921 | 105 | M. 42.<br>F. 63. |
| 1922 | 117 | M. 52.<br>F. 65. |

Cancer is more common in women, and the increase of its occurrence becomes more rapid with extreme age.

PREVENTION....No definite information has been obtained as to the cause of Cancer, but it would appear that certain irritations are responsible for Cancer of certain kinds. For example, sharp edges of teeth and badly fitting dentures may, by prolonged irritation, set up Cancer of the mouth or tongue.

Cancer of the rectum may again be instigated by chronic constipation.

Much can be done by operative and other treatment (e.g. radium) in the early stages. It is important, therefore, that Patients should lose no time in consulting their Medical Advisors when anything unusual occurs.

## PREVALENCE OF INFECTIOUS DISEASE.

The total number of infectious cases (including Phthisis) notified during 1923 amounted to 343; 209 cases were notified in the Urban Districts and 134 cases were notified in the Rural Districts. The following Table shows the distribution of these cases amongst the various Districts:—

| | No. of Cases 1922. | No. of Cases 1923. |
|---|---|---|
| URBAN DISTRICTS. | | |
| Fishguard ..... | 3 | 1 |
| Haverfordwest ..... | 35 | 66 |
| Milford Haven ..... | 68 | 51 |
| Narberth ..... | 1 | 1 |
| Neyland ..... | 3 | 6 |
| Pembroke ..... | 69 | 68 |
| Tenby ..... | 9 | 11 |
| Goodwick ..... | — | 5 |
| RURAL DISTRICTS. | | |
| Haverfordwest ..... | 70 | 70 |
| Llanfyrnach ..... | 10 | 6 |
| Narberth ..... | 34 | 20 |
| Pembroke ..... | 14 | 12 |
| St. Dogmaels ..... | 28 | 26 |

## SMALL POX.

No cases were notified during the year. Judging from the number of school children found on examination to have no protection or insufficient protection it would seem that Pembrokeshire people, like others, are beginning to look upon Small Pox as a thing of the past. It is a fact that recently the type of Small Pox has been so mild that Patients have scarcely been ill at all, and the mortality has been very low. There is no guarantee that this state of affairs will continue. It is more than likely that the disease will resume its virulent characteristics, and sweep through the unprotected ranks of the unfortunates who have neglected vaccination. It is to be hoped, however, that there will soon be some change in legislation in this matter.

## DIPHTHERIA.

One hundred and five cases of Diphtheria were notified during the year 1923: 79 occurring in the Urban and 26 in Rural Districts. There were 10 deaths—8 Urban and 2 Rural.

The following Table gives the distribution for the various Districts:—

| | Number of Cases notified 1922. | 1923. |
|---|---|---|
| **URBAN DISTRICTS.** | | |
| Fishguard | ... | ... |
| Haverfordwest | 6 | 40 |
| Milford Haven | 9 | 20 |
| Narberth | ... | ... |
| Neyland | ... | ... |
| Pembroke | 5 | 17 |
| Tenby | 1 | ... |
| Goodwick | ... | 2 |
| **RURAL DISTRICTS.** | | |
| Haverfordwest | 11 | 11 |
| Llanfyrnach | 2 | 1 |
| Narberth | 8 | 8 |
| Pembroke | 2 | ... |
| St. Dogmaels | 7 | 6 |

## ENTERIC.

Five cases were reported one in St. Dogmaels one in Haverfordwest R.D., two in Milford, and one in the borough of Pembroke.

## PUERPERAL FEVER.

There were eight cases during the year, with four deaths. The County Superintendent periodically visits and instructs every Midwife in the County, and every care is exercised to avoid any risk that may lead to spread of infection.

## ERYSIPELAS.

Eight cases of Erysipelas occurred—five in the Urban and three in the Rural Districts. There were no deaths.

## POLIOMYELITIS.

There was one case of Poliomyelitis notified during the year.

## OPHTHALMIA NEONATORUM.

Four cases were notified during the year 1923, all of which were effectively treated.

## CEREBRO-SPINAL MENINGITIS.

No cases of this disease occurred during the year.

## WHOOPING COUGH.

Whooping Cough was prevalent throughout the county during the year. Nine deaths occurred—four under the age of one year, three of the age of one year, and two under the age of two years. It was found necessary to close several schools for various periods.

## PUBLIC HEALTH (PNEUMONIA, MALARIA, DYSENTERY, ETC.) REGULATIONS, 1919.

### PNEUMONIA.

Under the above Regulations. (which deal with Acute Primary and Acute Influenzal Pneumonia only), seven cases of Pneumonia were notified—six in the Urban and one in the Rural Districts.

The total number of deaths certified as being caused by Pneumonia of all kinds was as follows:—

URBAN ... 11 Males, and 10 Females.
RURAL ...17 Males, and 11 Females.

making a total of 49.

## ACUTE ENCEPHALITIS LETHARGICA AND ACUTE POLIO-ENCEPHALITIS.

Two cases of Encephalitis Lethargica were notified during the year, and there were three deaths recorded.

## DIARRHOEAL DISEASES.

Deaths from Diarrhoea, etc. (under 2 years) amounted to 17—11 in the Urban and 6 in the Rural Districts, compared with a total of 13 for 1922.

## VENEREAL DISEASES.

Treatment of Venereal Diseases is carried out at the Swansea General and Eye Hospital; 22 Males and 9 Females were treated. Railway fares were provided when Patients were unable to afford to pay their own. The arrangement worked satisfactorily.

## MIDWIVES' ACT.

Under this Act the County Council is the supervising Authority. The inspection of Midwives during the year was undertaken under the supervision of the County Medical Officer, by Miss A. R. Calvin Thomas, County Superintendent of Nurses and Inspector of Midwives.

The number of notifications of intention to practise was 102. Number of visits paid 228. Number of Midwives who left the county, and were not replaced, two trained (Haverfordwest and Tenby) and one untrained (Cwmfelin Mynach). Two untrained Midwives died during the year at Llawhaden and Hook. Number of temporary withdrawals for purpose of disinfection, 3. Number of Midwives practising in the county at the end of the year 1923 was 66 Certified Midwives and 26 Uncertified Midwives.

## MATERNITY AND CHILD WELFARE.

Under powers conferred by the Maternity and Child Welfare Act of 1918, the County Council have established Infant Welfare Clinics at Goodwick, Fishguard, Newport, Milford Haven, Pembroke Dock, Solva, Narberth and Haverfordwest. The attendances at these Clinics are good, and Parents are steadily appreciating their value.

During the year the Clinics have been used for the distribution of free milk to necessitous Mothers and Children under school age, and to nursing mothers, and the expenditure under this heading has been rather heavy owing to the intense poverty throughout the county caused by unemployment.

## NURSING.

There are now 39 Associations employing 44 Nurses. These Nurses, who are all qualified Midwives, undertake general nursing, midwifery, and, in addition, carry out School work, Health Visiting, and Tuberculosis Visiting. Each Nurse is responsible to her Association, and her work is supervised by Miss Calvin-Thomas, the County Superintendent.

## FOOD AND DRUGS ACT, 1875 AND 1893.

The administration of the above Acts is carried out by the Police.

MILK.—Number of samples taken, 99; genuine, 84.

BUTTER.—Number of samples taken, 21; genuine, 19.

BAKING POWDER.—Number of samples taken, 4; genuine, 4.

COCOA.—Number of samples taken, 2; genuine, 2.

JAM.—Number of samples taken, 2; genuine, 2.

## MENTAL DEFICIENCY ACT, 1913.

In conjunction with the Counties of Carmarthen and Cardigan, provision has now been made at Pantglas Hall for the reception of high-grade mentally defective women and children. A preliminary licence has been given for the reception of 50 defectives, and the number of beds allocated to Pembrokeshire is 17. Already 11 Pembrokeshire Patients have been admitted.

## BACTERIOLOGICAL LABORATORY.

A small laboratory was fitted up during the year at the Central Offices, 23, Hill Street. The investigations have been confined to the examination of diphtheria swabs and to examination of sputum for the presence of Tubercle bacilli. Most Doctors in the county have made use of the facilities offered. Much time is saved. The Laboratory is shared by the Tuberculosis Officer. The Microscope—one of the main items of expense—was provided by the King Edward VII.

Welsh National Memorial Association. The Laboratory has been particularly useful during the diphtheria in Haverfordwest.

## MATERNAL MORTALITY.

Dame Janet Campbell, of the Ministry, has issued an important report on this subject. She has shown that although the infant mortality has fallen from 154 in 1900 to 69 in 1923, the maternal mortality for England and Wales has not been reduced at all, the figure being equivalent to four maternal deaths for 1,000 live births. In Wales this figure is higher and is equivalent to 5. Every effort must be made to reduce this excessive maternal mortality. Dame Campbell has drawn attention to the greater necessity of ante-natal supervision. In Pembrokeshire this is done very largely by the various District Nurses, and expectant mothers are encouraged to attend the Maternity Centres.

MATERNITY BEDS.—The Public Health Committee has now under consideration the question of supplying beds for complicated confinements. Up to the present accommodation exists for such cases in Pembroke Dock, Milford Haven and Haverfordwest.

## MIDWIFERY STATISTICS.

| No. of cases attended with Doctor. | Cases attended by Midwives alone. | Still Births. | Total. |
|---|---|---|---|
| 534 | 1,049 | 70 | 1583 |

Form of sending for Medical Help:

(a) On behalf of Mother 126

(b) On behalf of Child... 10

Classification of reasons for sending for Medical Help:

| (a) On behalf of Mother. | | (b) On behalf of Child. | |
|---|---|---|---|
| Prolonged Labour ..... | 55 | Prematurity ... | 2 |
| Perineal Rupture ..... | 15 | Abnormalities | 1 |
| Abnormal Presentation | 12 | Ophthalmia ... | 3 |
| Haemorrhage ..... | 17 | Other causes ... | 4 |
| Abortion (threatened)... | 10 | | |
| Retained Placenta ..... | 6 | | |
| Contracted Pelvis ..... | 9 | | |
| Other causes ..... | 2 | | |

# HOUSING, 1923.

| | Llanfyrnach R. D. | St Dogmaels R. D. | Fishguard U. D. | H-west U. D. | H-west R. D. | Milford U. D. | Neyland U. D. | Pembroke U.D. | Pembroke R. D. | Tenby U. D. | Narberth U. D. | Narberth R. D. | Goodwick R. D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of New Houses erected during the year :- | | | | | | | | | | | | | |
| (a) Total | 3 | 5 | 2 | 7 | — | 36 | 2 | 2 | 13 | — | — | 6 | 2 |
| (b) As part of a municipal housing scheme | — | — | — | — | — | 25 | — | — | — | — | — | — | — |
| 1 **Unfit dwelling-houses inspection** : | | | | | | | | | | | | | |
| (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) | 29 | 169 | 120 | 20 | 186 | 396 | 250 | 470 | 325 | 46 | 6 | 183 | 13 |
| (2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 | 14 | — | 10 | 18 | 35 | 172 | 234 | 470 | — | 40 | 4 | 43 | 6 |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | 3 | 4 | 3 | 12 | 9 | 17 | — | 3 | — | — | 4 | 18 | — |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation | 10 | 37 | 20 | 8 | 27 | 31 | 24 | 110 | 53 | 3 | 4 | 17 | 4 |
| 2 **Remedy of defects without service of formal notices** Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers | 3 | 2 | 4 | 8 | 26 | 47 | 19 | 56 | 18 | 1 | 5 | 6 | — |
| 3 **Action under Statutory Power** : | | | | | | | | | | | | | |
| (A) Proceedings under section 28 of the Housing Town Planning etc., Act, 1919 : | | | | | | | | | | | | | |
| (1) Number of dwelling-houses in respect of which notices were served requiring repairs | 3 | — | 10 | — | 2 | 47 | 5 | 121 | — | — | — | — | 4 |
| (2) Number of dwelling-houses which were rendered fit | | | | | | | | | | | | | |
| (a) by owners | 3 | — | 3 | — | 2 | 47 | 5 | 42 | — | — | — | — | — |
| (b) by Local Authority in default of owners | — | — | — | — | — | — | — | 1 | — | — | — | — | — |
| (3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close | — | — | — | — | — | 1 | — | — | 1 | — | — | — | — |
| (B) Proceedings under Public Health Acts : | | | | | | | | | | | | | |
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | — | 32 | 20 | 18 | 25 | 17 | — | 18 | 35 | 3 | 10 | 43 | — |
| (2) Number of dwelling-houses in which defects were remedied :- | | | | | | | | | | | | | |
| (a) by owners | — | 18 | 16 | 18 | 25 | 17 | — | 18 | 20 | 3 | 10 | 6 | — |
| (b) by Local Authority in default of owners | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (C) Proceedings under sections 17 and 18 of the Housing Town Planning, etc., Act, 1909 :- | | | | | | | | | | | | | |
| (1) Number of representations made with a view to making of Closing Orders | 3 | — | — | — | 9 | 1 | — | 3 | 1 | — | 4 | — | — |
| (2) Number of dwelling-houses in respect of which Closing Orders were made | — | — | — | — | 11 | — | — | 3 | 1 | — | — | — | — |
| (3) Number of dwelling-houses in respect of which Closing Orders were determined ; the dwelling-houses having been rendered fit | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (4) Number of dwelling-houses in respect of which Demolition Orders were made | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (5) Number of dwelling-houses demolished in pursuance of Demolition Orders | — | — | — | — | — | — | — | — | — | — | — | — | — |
| DAIRIES & COWSHEDS. | | | | | | | | | | | | | |
| Number inspected | 3 | 21 | 23 | 9 | 184 | 9 | 5 | 39 | 97 | 3 | — | 246 | 3 |
| Number of defects found | 1 | 14 | 6 | — | 121 | 2 | 20 | 8 | 30 | 2 | — | 240 | — |
| Number remedied | 1 | 10 | 6 | — | 116 | 2 | 20 | 8 | 30 | 2 | — | 10 | — |

| Causes of Death. | Fishguard U.D. 04 | | Haverfordwest M.B. 05 | | Milford Haven U.D. 06 | | Narberth U.D. 07 | | Neyland U.D. 14 | | Pembroke M.B. 15 | | Tenby M.B. 16 | | Goodwick U.D. 17 | | Total. U.D's. | | Haverfordwest R.D. 08 | | Lianfyrnach R.D. 09 | | Narberth R.D. 18 | | Pembroke R.D. 19 | | St. Dogmaels R.D. 28 | | Total R.D's. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Causes. | M 10 | F 15 | M 44 | F 46 | M 45 | F 37 | M 4 | F 9 | M 14 | F 14 | M 105 | F 92 | M 24 | F 20 | M 10 | F 11 | M 256 | F 244 | M 119 | F 116 | M 16 | F 23 | M 79 | F 76 | M 52 | F 19 | M 57 | F 78 | M 323 | F 322 |
| 1 Enteric fever | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — |
| 2 Small pox | ... | ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 Measles | ... | ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | ... | — | — | — | — | — | 1 | — | — | — | 1 | — |
| 4 Scarlet Fever | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 Whooping Cough | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 | 5 | — | — | — | — | — | 1 | — | — | 3 | 6 |
| 6 Diphtheria | — | — | — | — | 3 | 2 | — | — | — | — | 2 | 1 | — | — | — | — | 5 | 3 | 1 | — | — | — | — | 1 | — | — | — | — | 1 | 1 |
| 7 Influenza | — | — | — | — | — | — | — | — | 1 | — | — | 2 | 1 | — | — | — | 2 | 2 | 2 | 1 | — | — | 1 | 3 | 1 | 1 | 1 | 1 | 5 | 6 |
| 8 Encephalitis lethargica | — | ... | — | — | — | — | — | — | — | — | 2 | — | — | — | — | — | 2 | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| 9 Meningococcal meningitis | — | ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 Tuberculosis of respiratory system | 1 | 1 | 4 | 3 | 4 | 6 | 1 | 1 | — | 1 | 6 | 6 | 3 | — | 2 | 3 | 21 | 21 | 15 | 5 | 3 | 1 | 4 | 7 | 3 | 4 | 7 | 2 | 32 | 19 |
| 11 Other tuberculous diseases | 1 | — | 2 | 1 | 2 | 1 | 1 | — | — | — | 5 | 1 | — | — | 1 | — | 12 | 3 | 2 | 3 | 1 | 2 | — | 3 | — | 1 | — | — | 3 | 9 |
| 12 Cancer, malignant disease | 1 | 2 | 3 | 7 | 3 | 2 | — | 1 | — | 1 | 17 | 14 | 6 | 6 | 1 | — | 31 | 33 | 16 | 12 | 2 | 2 | 10 | 11 | 5 | 6 | 2 | 11 | 35 | 42 |
| 13 Rheumatic fever | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2 | — | 2 | — |
| 14 Diabetes | — | — | — | — | — | 1 | — | — | 1 | — | 1 | 1 | — | 1 | — | — | 2 | 3 | 2 | 3 | — | — | 2 | 1 | — | 1 | 1 | 1 | 5 | 6 |
| 15 Cerebral hæmorrage, &c. | 1 | — | 3 | 9 | 1 | 4 | — | — | — | — | 2 | 6 | 1 | 2 | — | — | 8 | 21 | 7 | 8 | 3 | 2 | 5 | 2 | 3 | 4 | 8 | 6 | 26 | 22 |
| 16 Heart disease | — | 6 | 5 | 7 | 6 | 4 | 2 | 1 | 3 | 2 | 20 | 14 | 2 | 4 | — | 2 | 38 | 40 | 9 | 23 | 4 | 3 | 13 | 14 | 5 | 11 | 10 | 8 | 41 | 59 |
| 17 Arterio-sclerosis | — | — | 1 | — | 1 | — | — | — | 1 | 1 | 2 | 2 | 2 | — | — | — | 7 | 3 | 2 | 2 | — | — | 1 | — | 1 | 1 | 1 | — | 5 | 3 |
| 18 Bronchitis | — | — | 3 | 1 | 2 | 2 | — | — | 1 | 2 | 5 | 5 | 1 | — | — | — | 12 | 10 | 5 | 6 | — | 3 | 5 | 3 | 1 | 2 | 1 | 4 | 12 | 18 |
| 19 Pneumonia (all forms) | — | 2 | — | 1 | 2 | — | — | — | 1 | 1 | 4 | 3 | 2 | 1 | 2 | 2 | 11 | 10 | 8 | 4 | — | — | 3 | 3 | 3 | — | 3 | 4 | 17 | 11 |
| 20 Other respiratory diseases | — | — | 2 | — | — | — | — | 1 | — | 1 | — | 3 | — | — | — | — | 2 | 5 | 5 | 2 | — | — | 5 | 1 | — | 1 | 1 | 1 | 11 | 5 |
| 21 Ulcer of stomach or duodenum | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | 1 | — | — | — | — | — | 2 | 1 | — | — | — | 1 | 2 |
| 22 Diarrhœa, &c., (under 2 years) | — | — | 3 | 1 | 3 | 2 | — | — | — | — | — | 1 | — | 1 | — | — | 6 | 5 | 4 | — | — | — | — | — | — | 1 | 1 | — | 5 | 1 |
| 23 Appendicitis and typhlitis | — | — | 1 | — | 1 | — | — | — | — | — | 2 | — | — | — | — | — | 4 | — | — | 2 | — | — | 1 | — | — | — | 1 | — | 2 | 2 |
| 24 Cirrhosis of Liver | — | — | 1 | — | 1 | — | — | — | — | 1 | — | — | — | — | — | — | 2 | 1 | 1 | — | — | — | — | — | 1 | — | — | — | 2 | — |
| 25 Acute and Chronic nephritis | 1 | — | 1 | — | 2 | 3 | — | — | 2 | — | 5 | 2 | 1 | — | — | 1 | 12 | 6 | 2 | 2 | — | 1 | 1 | 3 | 2 | 1 | 4 | 4 | 9 | 11 |
| 26 Puerperal sepsis | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | — | — | — | — | 2 | — | — | — | — | — | 1 | — | 1 | — | — | — | 2 |
| 27 Other accidents and diseases of pregnancy and parturition | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | 2 | — | — | — | 1 | — | 1 | — | — | — | 4 |
| 28 Congenital debility and malformation premature birth | 1 | — | 2 | — | 3 | 4 | — | 2 | 1 | — | 8 | 5 | 1 | 2 | 1 | — | 17 | 13 | 3 | 6 | — | — | 5 | 3 | 6 | 1 | 3 | 1 | 17 | 11 |
| 29 Suicide | — | — | — | — | 1 | — | — | — | — | — | 1 | — | — | — | — | — | 2 | — | 1 | — | — | — | 2 | — | — | 1 | — | — | 3 | 1 |
| 30 Other deaths from violence | 1 | 1 | 2 | 3 | 5 | — | — | — | — | — | 1 | 2 | — | — | 1 | — | 10 | 6 | 4 | 2 | — | — | 2 | — | 4 | 1 | 2 | — | 12 | 3 |
| 31 Other defined diseases | 2 | 3 | 11 | 13 | 3 | 5 | — | 2 | 3 | 4 | 19 | 20 | 4 | 3 | 2 | 3 | 44 | 53 | 27 | 27 | 3 | 9 | 18 | 16 | 13 | 9 | 8 | 14 | 69 | 75 |
| 32 Causes ill-defined or un-known | — | — | — | — | 2 | — | — | 1 | — | — | 3 | — | — | — | — | — | 5 | 1 | — | 1 | — | — | 1 | — | 2 | — | 1 | 1 | 4 | 2 |
| Special Causes (included above) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poliomyelitis | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Policœncephalitis | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Deaths of infants under one year — Total | 1 | — | 5 | 5 | 8 | 6 | — | 2 | 2 | 1 | 11 | 10 | 3 | 3 | 3 | 1 | 33 | 28 | 19 | 11 | — | 1 | 7 | 3 | 9 | 3 | 6 | 2 | 41 | 20 |
| Deaths of infants under one year — Illegitimate | — | — | — | — | 1 | — | — | — | — | — | 1 | — | 1 | 1 | — | — | 3 | 1 | 1 | 1 | — | — | 2 | — | — | — | — | — | 3 | 1 |
| TOTAL BIRTHS | 30 | 32 | 70 | 73 | 113 | 97 | 4 | 10 | 22 | 26 | 133 | 128 | 33 | 31 | 22 | 12 | 427 | 409 | 228 | 176 | 19 | 18 | 100 | 110 | 82 | 81 | 77 | 68 | 506 | 453 |
| Legitimate | 29 | 32 | 66 | 68 | 109 | 93 | 4 | 10 | 21 | 24 | 130 | 125 | 32 | 30 | 21 | 12 | 412 | 394 | 216 | 171 | 17 | 18 | 94 | 104 | 79 | 79 | 74 | 62 | 480 | 434 |
| Illegitimate | 1 | — | 4 | 5 | 4 | 4 | — | — | 1 | 2 | 3 | 3 | 1 | 1 | 1 | — | 15 | 15 | 12 | 5 | 2 | — | 6 | 6 | 3 | 2 | 3 | 6 | 26 | 19 |
| Population | 3046 | | 5908 | | 8234 | | 1128 | | 2705 | | For Birth rate 15500 For Death rate 14819 | | 4177 | | 2452 | | 43150 | | 19745 | | 2339 | | 10920 | | 8744 | | 7847 | | 49595 | |